



## U.S. Domestic Shipments of Title 49CFR 173.150 (g) Class 3 Exceptions Containing Ethyl Alcohol

Products containing ethyl alcohol are usually flammable and considered a dangerous goods/hazardous material. If you ship cosmetics, including perfumes, medicines, foods and beverages that are flammable because they contain ethyl alcohol, there is exception in the 49 Code of Federal Regulations (49CFR), 173.150 (g) which may allow these types of shipments to be shipped as nonregulated or nonhazardous.

This 49CFR exception is applicable to U.S. domestic shipments only. FedEx Express does accept shipments that meet 173.150 (g) criteria. As an example, perfume shipments meeting the criteria in 49CFR 173.150 (g) may be offered as a nonregulated or nonhazardous shipment when shipped within the US.

### Exception Criteria for Shipping Ethyl Alcohol (or a blend of ethyl alcohol as the primary ingredient)

Concentrations of 70% by volume or less:

- Glass inner receptacles must be 8 ounces (0.063 gallons/0.23 liters) or less, or Glass inner receptacles greater than 8 ounces (0.063 gallons/0.23 liters) up to 16 ounces (0.47 liters/0.125 gallons) the company name and the words “contains Ethyl Alcohol” are marked on the package.
- Non-glass inner receptacles must be 16 ounces (0.125 gallons/0.47 liters) or less

Concentrations of 70% by volume of more:

- Inner receptacles must be 8 ounces (0.063 gallons/0.23 liters) or less

### General Shipping Requirements for all Exceptions

- Total net quantity is 192 ounces maximum (1.5 gallons/5.6 liters) or less
- The gross package weight of the completed package on a scale is 66 pounds/29.9 kilograms
- Inner receptacles must be packaged in an upright positions and secured and cushioned within the outer package in to prevent breakage, leakage and movement

Complete reference information for 49 CFR 173.150 (g) can be found online at

<https://www.govregs.com/regulations/49/173.150>.

Important reminder: All shipments to or from a country other than the U.S. must be offered under IATA/ICAO regulations when offered to FedEx Express. The 49CFR 173.150 (g) exception listed above is for US domestic shipments only.

Questions may be directed to the FedEx Dangerous Goods/Hazardous Materials Hotline at 1.800.Go.FedEx 1.800.463.3339, press silent prompt “81” (or say dangerous goods), then press “4” for the next available Dangerous Goods (DG) agent.

## 49 CFR 173.150 (g): Exceptions for Class 3 (Flammable and combustible liquids)

(g) *Limited quantities of retail products containing ethyl alcohol.* (1) Beverages, food, cosmetics and medicines, medical screening solutions, and concentrates sold as retail products containing ethyl alcohol classed as a flammable liquid or flammable solid containing not more than 70% ethyl alcohol by volume for liquids, by weight for solids are excepted from the HMR provided that:

(i) For non-glass inner packagings:

(A) The volume does not exceed 0.47 liters (0.125 gallons) in capacity for liquids; or

(B) For volumes greater than 0.47 liters (0.125 gallons) but not exceeding 3.8 liters (1 gallon) the company name and the words "Contains Ethyl Alcohol" are marked on the package;

(C) Solids containing ethyl alcohol may be packaged in non-glass inner packagings not exceeding 0.45 kilograms (1 pound) capacity;

(D) For weight greater than 0.45 kilograms (1 pound) up to 3.62 kilograms (8 pounds) the company name and the words "Contains Ethyl Alcohol" are marked on the package.

(ii) For glass inner packagings:

(A) The volume does not exceed 0.23 liters (.063 gallons) in capacity; or

(B) For volumes greater than 0.23 liters (.063 gallons) to 0.47 liters (0.125 gallons) the company name and the words "Contains Ethyl Alcohol" are marked on the package;

(C) Solids containing ethyl alcohol may be packaged in glass inner packagings not exceeding 0.22 kilograms (0.5 pounds);

(D) For weight greater than 0.22 kilograms (0.5 pounds) up to 0.45 kilograms (1 pound) the company name and the words "Contains Ethyl Alcohol" are marked on the package.

(iii) The net liquid contents of all inner packagings in any single outer packaging may not exceed 5.6 liters (1.5 gallons). The net solid contents of all inner packagings in any single outer packaging may not exceed 14.9 kilograms (33 pounds). The gross weight of any single outer package shipped may not exceed 29.9 kilograms (66 pounds); Inner packagings must be secured and cushioned within the outer package to prevent breakage, leakage, and movement.

(2) Beverages, food, cosmetics and medicines, medical screening solutions, and concentrates sold as retail products containing ethyl alcohol classed as a flammable liquid or flammable solid containing more than 70% ethyl alcohol by volume, by weight for solids are excepted from the HMR provided that:

(i) For inner packagings containing liquids the volume does not exceed 0.23 liters (0.063 gallons) in capacity;

(ii) Solids containing ethyl alcohol are not packed in inner packagings exceeding 0.22 kilograms (0.5 pounds) in weight;

(iii) The net liquid contents of all inner packagings in any single outer packaging may not exceed 5.6 liters (1.5 gallons). The net solid contents of all inner packagings in any single outer packaging may not exceed 14.9 kilograms (33 pounds). The gross weight of any single outer package shipped may not exceed 29.9 kilograms (66 pounds). Inner packagings must be secured and cushioned within the outer package to prevent breakage, leakage, and movement.

(3) For transportation by passenger or cargo aircraft, no outer package may be transported which contains an inner packaging exceeding:

(i) 0.47 liters (0.125 gallons) of flammable liquid; or

(ii) 0.45 kilograms (1 pound) of solids containing flammable liquid.